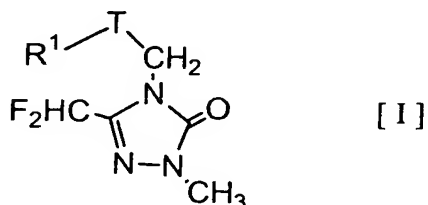


# CLAIMS

1. A triazolone compound of the formula [I]:



- 5 wherein,

$\text{R}^1$  represents  $\text{A}^1 - \text{L}^1 -$ ,  $\text{A}^1 - \text{ON} = \text{CA}^2 -$ ,  $\text{A}^1 - \text{ON} = \text{C}(\text{Me})\text{CH}_2\text{ON} = \text{CA}^2 -$ ,  $\text{A}^1 - \text{C}(\text{A}^2) = \text{N} - \text{OCH}_2 -$ ,  $\text{A}^1\text{S} - \text{C}(\text{A}^2) = \text{N} -$ ,  $\text{A}^1 - \text{C}(=\text{S})\text{NH} -$ ,  $\text{A}^1\text{S} - \text{C}(=\text{S})\text{NH} -$ ,  $\text{A}^1\text{S} - \text{C}(\text{SA}^2) = \text{N} -$ ,  $\text{A}^1 - \text{ON} = \text{C}(\text{CN}) -$ ,  $\text{A}^1 - \text{ON} = \text{C}(\text{Me})\text{CH}_2\text{ON} = \text{C}(\text{CN}) -$ ,  $\text{A}^1 - \text{C}(\text{CN}) = \text{N} - \text{OCH}_2 -$ , halogen atom, nitro or cyano;

- 10 wherein,  $\text{L}^1$  represents single bond, oxygen atom, sulfur atom, carbonyl,  $-\text{OCH}_2 -$ ,  $-\text{SCH}_2 -$ ,  $-\text{C}(=\text{O})\text{O} -$ ,  $-\text{OC}(=\text{O}) -$ ,  $-\text{C}(=\text{O})\text{OCH}_2 -$ ,  $-\text{NH} -$  or  $\text{C}_1 - \text{C}_6$  alkylimino;

- 15  $\text{A}^1$  and  $\text{A}^2$ , which are the same or different, represent hydrogen atom,  $\text{C}_1 - \text{C}_{10}$  alkyl,  $\text{C}_2 - \text{C}_{10}$  alkenyl,  $\text{C}_2 - \text{C}_{10}$  alkynyl,  $\text{C}_3 - \text{C}_{10}$  cycloalkyl, ( $\text{C}_3 - \text{C}_{10}$  cycloalkyl) alkyl,  $\text{C}_5 - \text{C}_{10}$  cycloalkenyl, ( $\text{C}_5 - \text{C}_{10}$  cycloalkenyl) alkyl, phenyl, naphthyl, phenyl  $\text{C}_1 - \text{C}_{10}$  alkyl, naphthyl  $\text{C}_1 - \text{C}_{10}$  alkyl, 5- or 6-membered heterocyclic group optionally condensed with a benzene ring, or methyl substituted by a 5- or 6-membered heterocyclic group optionally condensed with a benzene ring;

- 20 the alkyl, the alkenyl, the alkynyl, the cycloalkyl, the cycloalkylalkyl, the cycloalkenyl and the cycloalkenylalkyl, represented by  $\text{A}^1$  and  $\text{A}^2$ , may optionally  
25 be each substituted by one or more substituents selected from the group consisting of halogen atom(s), cyano, nitro,  $\text{C}_1 - \text{C}_{10}$  alkoxy,  $\text{C}_1 - \text{C}_{10}$  haloalkoxy,  $\text{C}_1 - \text{C}_{10}$  alkylthio,  $\text{C}_1 - \text{C}_{10}$

haloalkylthio, (C<sub>1</sub>-C<sub>9</sub> alkyl) carbonyl, (C<sub>1</sub>-C<sub>9</sub> alkoxy) carbonyl, (C<sub>1</sub>-C<sub>9</sub> alkyl) carbonylamino, phenyl, phenoxy, benzyloxy and tri(C<sub>1</sub>-C<sub>10</sub> alkyl) silyl;

5 the phenyl, the naphthyl, the benzene ring in the phenylalkyl, the naphthalene ring in the phenylnaphthyl, the heterocyclic group, and the heterocyclic ring in the methyl substituted by a heterocyclic group, represented by A<sup>1</sup> and A<sup>2</sup>, may optionally be each substituted by one or more substituents selected from the group consisting  
10 of halogen atom(s), cyano, nitro, C<sub>1</sub>-C<sub>10</sub> alkyl, C<sub>1</sub>-C<sub>10</sub> haloalkyl, C<sub>3</sub>-C<sub>10</sub> cycloalkyl, C<sub>1</sub>-C<sub>10</sub> alkoxy, C<sub>1</sub>-C<sub>10</sub> haloalkoxy, C<sub>1</sub>-C<sub>10</sub> alkylthio, C<sub>1</sub>-C<sub>10</sub> haloalkylthio, (C<sub>1</sub>-C<sub>9</sub> alkyl) carbonyl, (C<sub>1</sub>-C<sub>9</sub> alkoxy) carbonyl, (C<sub>1</sub>-C<sub>9</sub> alkyl) carbonylamino, phenyl, phenoxy, benzyloxy, tri(C<sub>1</sub>-C<sub>10</sub> alkyl) silyl, methylenedioxy and difluoromethylenedioxy;  
15 with the proviso, when L<sup>1</sup> is single bond, A<sup>1</sup> is not a hydrogen atom;

T represents optionally substituted *m*-phenylene, optionally substituted *m*-azaphenylene or optionally substituted

20 *m*-diazaphenylene bonded to R<sup>1</sup> and to CH<sub>2</sub> each via a carbon atom; wherein the substituent(s) are one or more substituents selected from the group consisting of halogen atom(s), cyano, nitro, C<sub>1</sub>-C<sub>6</sub> alkyl, C<sub>1</sub>-C<sub>6</sub> haloalkyl, C<sub>1</sub>-C<sub>6</sub> alkoxy, C<sub>1</sub>-C<sub>6</sub> haloalkoxy, C<sub>1</sub>-C<sub>6</sub> alkylthio, C<sub>1</sub>-C<sub>6</sub> haloalkylthio and  
25 (C<sub>1</sub>-C<sub>5</sub> alkoxy) carbonyl.

2. The triazolone compound according to claim 1, wherein T is optionally substituted *m*-phenylene;

wherein the substituent(s) are one or more substituents  
30 selected from the group of halogen atom(s), cyano, nitro,

C<sub>1</sub>-C<sub>6</sub> alkyl, C<sub>1</sub>-C<sub>6</sub> haloalkyl, C<sub>1</sub>-C<sub>6</sub> alkoxy, C<sub>1</sub>-C<sub>6</sub> haloalkoxy, C<sub>1</sub>-C<sub>6</sub> alkylthio, C<sub>1</sub>-C<sub>6</sub> haloalkylthio and (C<sub>1</sub>-C<sub>5</sub> alkoxy)carbonyl.

- 5    3.    The triazolone compound according to claim 1, wherein T is optionally substituted *m*-azaphenylene or optionally substituted *m*-diazaphenylene bonded to R<sup>1</sup> and to CH<sub>2</sub> each via a carbon atom;

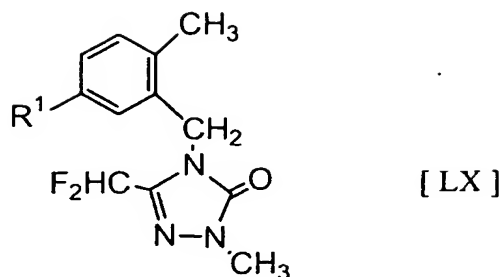
10        wherein the substituent(s) are one or more substituents selected from the group of halogen atom(s), cyano, nitro, C<sub>1</sub>-C<sub>6</sub> alkyl, C<sub>1</sub>-C<sub>6</sub> haloalkyl, C<sub>1</sub>-C<sub>6</sub> alkoxy, C<sub>1</sub>-C<sub>6</sub> haloalkoxy, C<sub>1</sub>-C<sub>6</sub> alkylthio, C<sub>1</sub>-C<sub>6</sub> haloalkylthio and (C<sub>1</sub>-C<sub>5</sub> alkoxy)carbonyl.

- 15    4.    The triazolone compound according to claim 1, wherein T is optionally substituted *m*-phenylene;

      wherein the substituent(s) are halogen atom(s) or methyl; R<sup>1</sup> is optionally substituted phenyl;

20        wherein the substituent(s) are one or more substituents selected from the group consisting of halogen atom(s), cyano, nitro, C<sub>1</sub>-C<sub>10</sub> alkyl, C<sub>1</sub>-C<sub>10</sub> haloalkyl, C<sub>3</sub>-C<sub>10</sub> cycloalkyl, C<sub>1</sub>-C<sub>10</sub> alkoxy, C<sub>1</sub>-C<sub>10</sub> haloalkoxy, C<sub>1</sub>-C<sub>10</sub> alkylthio, C<sub>1</sub>-C<sub>10</sub> haloalkylthio, (C<sub>1</sub>-C<sub>9</sub> alkyl) carbonyl, (C<sub>1</sub>-C<sub>9</sub> alkoxy) carbonyl, (C<sub>1</sub>-C<sub>9</sub> alkyl) carbonylamino, 25    phenyl, phenoxy, benzyloxy, tri(C<sub>1</sub>-C<sub>10</sub> alkyl) silyl, methylenedioxy and difluoromethylenedioxy.

5.    The triazolone compound according to claim 1, which is represented by the formula [LX]:



wherein;

R<sup>1</sup> is optionally substituted phenyl;

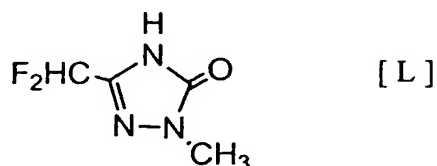
wherein the substituent(s) are one or more substituents  
 5 selected from the group consisting of halogen atom(s),  
 cyano, nitro, C<sub>1</sub>-C<sub>10</sub> alkyl, C<sub>1</sub>-C<sub>10</sub> haloalkyl, C<sub>3</sub>-C<sub>10</sub>  
 cycloalkyl, C<sub>1</sub>-C<sub>10</sub> alkoxy, C<sub>1</sub>-C<sub>10</sub> haloalkoxy, C<sub>1</sub>-C<sub>10</sub>  
 alkylthio, C<sub>1</sub>-C<sub>10</sub> haloalkylthio, (C<sub>1</sub>-C<sub>9</sub> alkyl) carbonyl,  
 (C<sub>1</sub>-C<sub>9</sub> alkoxy) carbonyl, (C<sub>1</sub>-C<sub>9</sub> alkyl) carbonylamino,  
 10 phenyl, phenoxy, benzyloxy, tri(C<sub>1</sub>-C<sub>10</sub> alkyl) silyl,  
 methylenedioxy and difluoromethylenedioxy.

6. 5-Difluoromethyl-2-methyl-4-(2-methyl-5-  
 -phenylbenzyl)-2,4-dihydro-3H-1,2,4-triazol-3-one; which is  
 15 the triazolone compound according to claim 4, wherein R<sup>1</sup> is  
 phenyl.

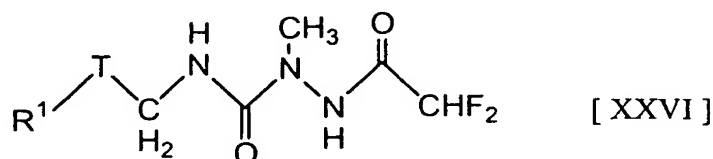
7. A fungicidal composition containing the triazolone  
 compound according to claim 1 as an active ingredient, and an  
 20 inactive carrier.

8. The fungicidal composition according to claim 6, which  
 is containing 5-difluoromethyl-2-methyl-4-(2-methyl-5-  
 -phenylbenzyl)-2,4-dihydro-3H-1,2,4-triazol-3-one as an  
 25 active ingredient, and an inactive carrier.

9. 5-Difluoromethyl-2-methyl-2,4-dihydro-3H-1,2,4-triazol-3-one of the formula [L]:



5 10. A difluoroacetyl semicarbazide compound of the formula [XXVI]:



wherein,

R<sup>1</sup> represents A<sup>1</sup>-L<sup>1</sup>-, A<sup>1</sup>-ON=CA<sup>2</sup>-, A<sup>1</sup>-ON=C(Me)CH<sub>2</sub>ON=CA<sup>2</sup>-,  
 10 A<sup>1</sup>-C(A<sup>2</sup>)=N-OCH<sub>2</sub>-, A<sup>1</sup>S-C(A<sup>2</sup>)=N-, A<sup>1</sup>-C(=S)NH-, A<sup>1</sup>S-C(=S)NH-,  
 A<sup>1</sup>S-C(SA<sup>2</sup>)=N-, A<sup>1</sup>-ON=C(CN)-, A<sup>1</sup>-ON=C(Me)CH<sub>2</sub>ON=C(CN)-,  
 A<sup>1</sup>-C(CN)=N-OCH<sub>2</sub>-, halogen atom, nitro or cyano;

wherein L<sup>1</sup> represents single bond, oxygen atom, sulfur  
 atom, carbonyl, -OCH<sub>2</sub>-, -SCH<sub>2</sub>-, -C(=O)O-, -OC(=O)-,  
 15 -C(=O)OCH<sub>2</sub>-, -NH- or C<sub>1</sub>-C<sub>6</sub> alkylimino;

A<sup>1</sup> and A<sup>2</sup>, which are the same or different, represent  
 hydrogen atom, C<sub>1</sub>-C<sub>10</sub> alkyl, C<sub>2</sub>-C<sub>10</sub> alkenyl, C<sub>2</sub>-C<sub>10</sub> alkynyl,  
 C<sub>3</sub>-C<sub>10</sub> cycloalkyl, (C<sub>3</sub>-C<sub>10</sub> cycloalkyl) alkyl, C<sub>5</sub>-C<sub>10</sub>  
 cycloalkenyl, (C<sub>5</sub>-C<sub>10</sub> cycloalkenyl) alkyl, phenyl,  
 20 naphthyl, phenyl C<sub>1</sub>-C<sub>10</sub> alkyl, naphthyl C<sub>1</sub>-C<sub>10</sub> alkyl, 5-  
 or 6-membered heterocyclic group optionally condensed  
 with a benzene ring, or methyl substituted by a 5- or  
 6-membered heterocyclic group optionally condensed with  
 a benzene ring;

25 the alkyl, the alkenyl, the alkynyl, the cycloalkyl, the  
 cycloalkylalkyl, the cycloalkenyl and the

cycloalkenylalkyl represented by A<sup>1</sup> and A<sup>2</sup>, may optionally be each substituted by one or more substituents selected from the group consisting of halogen atom(s), cyano, nitro, C<sub>1</sub>-C<sub>10</sub> alkoxy, C<sub>1</sub>-C<sub>10</sub> haloalkoxy, C<sub>1</sub>-C<sub>10</sub> alkylthio, C<sub>1</sub>-C<sub>10</sub> haloalkylthio, (C<sub>1</sub>-C<sub>9</sub> alkyl) carbonyl, (C<sub>1</sub>-C<sub>9</sub> alkoxy) carbonyl, (C<sub>1</sub>-C<sub>9</sub> alkyl) carbonylamino, phenyl, phenoxy, benzyloxy and tri(C<sub>1</sub>-C<sub>10</sub> alkyl) silyl;

the phenyl, the naphthyl, the benzene ring in the phenylalkyl, the naphthalene ring in the phenylnaphthyl, the heterocyclic group, and the heterocyclic ring in the methyl substituted by a heterocyclic group, represented by A<sup>1</sup> and A<sup>2</sup>, may optionally be each substituted by one or more substituents selected from the group consisting of halogen atoms, cyano, nitro, C<sub>1</sub>-C<sub>10</sub> alkyl, C<sub>1</sub>-C<sub>10</sub> haloalkyl, C<sub>3</sub>-C<sub>10</sub> cycloalkyl, C<sub>1</sub>-C<sub>10</sub> alkoxy, C<sub>1</sub>-C<sub>10</sub> haloalkoxy, C<sub>1</sub>-C<sub>10</sub> alkylthio, C<sub>1</sub>-C<sub>10</sub> haloalkylthio, (C<sub>1</sub>-C<sub>9</sub> alkyl) carbonyl, (C<sub>1</sub>-C<sub>9</sub> alkoxy) carbonyl, (C<sub>1</sub>-C<sub>9</sub> alkyl) carbonylamino, phenyl, phenoxy, benzyloxy, tri(C<sub>1</sub>-C<sub>10</sub> alkyl) silyl, methylenedioxy and difluoromethylenedioxy; with the proviso, when L<sup>1</sup> is single bond, A<sup>1</sup> is not a hydrogen atom;

T represents optionally substituted *m*-phenylene, optionally substituted *m*-azaphenylene or optionally substituted *m*-diazaphenylene bonded to R<sup>1</sup> and to CH<sub>2</sub> each via a carbon atom;

wherein the substituent(s) are one or more substituents selected from the group consisting of halogen atom(s), cyano, nitro, C<sub>1</sub>-C<sub>6</sub> alkyl, C<sub>1</sub>-C<sub>6</sub> haloalkyl, C<sub>1</sub>-C<sub>6</sub> alkoxy, C<sub>1</sub>-C<sub>6</sub> haloalkoxy, C<sub>1</sub>-C<sub>6</sub> alkylthio, C<sub>1</sub>-C<sub>6</sub> haloalkylthio and (C<sub>1</sub>-C<sub>5</sub> alkoxy) carbonyl.

11. The difluoroacetyl semicarbazide compound according to claim 10, wherein T is optionally substituted *m*-phenylene; wherein the substituent(s) are one or more substituents selected from the group of halogen atoms, cyano, nitro,  
 5 C<sub>1</sub>-C<sub>6</sub> alkyl, C<sub>1</sub>-C<sub>6</sub> haloalkyl, C<sub>1</sub>-C<sub>6</sub> alkoxy, C<sub>1</sub>-C<sub>6</sub> haloalkoxy, C<sub>1</sub>-C<sub>6</sub> alkylthio, C<sub>1</sub>-C<sub>6</sub> haloalkylthio and (C<sub>1</sub>-C<sub>5</sub> alkoxy)carbonyl.

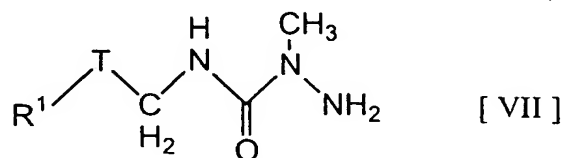
12. The difluoroacetyl semicarbazide compound according to claim 10, wherein T is optionally substituted *m*-azaphenylene or optionally substituted *m*-diazaphenylene bonded to R<sup>1</sup> and to CH<sub>2</sub> each via a carbon atom;

wherein the substituent(s) are one or more substituents selected from the group of halogen atom(s), cyano, nitro,  
 15 C<sub>1</sub>-C<sub>6</sub> alkyl, C<sub>1</sub>-C<sub>6</sub> haloalkyl, C<sub>1</sub>-C<sub>6</sub> alkoxy, C<sub>1</sub>-C<sub>6</sub> haloalkoxy, C<sub>1</sub>-C<sub>6</sub> alkylthio, C<sub>1</sub>-C<sub>6</sub> haloalkylthio and (C<sub>1</sub>-C<sub>5</sub> alkoxy)carbonyl.

13. The difluoroacetyl semicarbazide compound according to claim 10, wherein T is optionally substituted *m*-phenylene; wherein the substituent(s) are halogen atom(s) or methyl.

14. 1-Difluoroacetyl-2-methyl-4-(2-methyl-5-phenylbenzyl)semicarbazide; which is the difluoroacetyl  
 25 semicarbazide compound according to claim 10.

15. A semicarbazide compound of the formula [VII]:



wherein;

$R^1$  represents  $A^1-L^1-$ ,  $A^1-ON=CA^2-$ ,  $A^1-ON=C(Me)CH_2ON=CA^2-$ ,  
 $A^1-C(A^2)=N-OCH_2-$ ,  $A^1S-C(A^2)=N-$ ,  $A^1-C(=S)NH-$ ,  $A^1S-C(=S)NH-$ ,  
 $A^1S-C(SA^2)=N-$ ,  $A^1-ON=C(CN)-$ ,  $A^1-ON=C(Me)CH_2ON=C(CN)-$ ,

5  $A^1-C(CN)=N-OCH_2-$ , halogen atom, nitro or cyano; -

wherein,  $L^1$  represents single bond, oxygen atom, sulfur atom, carbonyl,  $-OCH_2-$ ,  $-SCH_2-$ ,  $-C(=O)O-$ ,  $-OC(=O)-$ ,  $-C(=O)OCH_2-$ ,  $-NH-$  or  $C_1-C_6$  alkylimino;

10  $A^1$  and  $A^2$ , which are the same or different, represent hydrogen atom,  $C_1-C_{10}$  alkyl,  $C_2-C_{10}$  alkenyl,  $C_2-C_{10}$  alkynyl,  $C_3-C_{10}$  cycloalkyl, ( $C_3-C_{10}$  cycloalkyl) alkyl,  $C_5-C_{10}$  cycloalkenyl, ( $C_5-C_{10}$  cycloalkenyl) alkyl, phenyl, naphthyl, phenyl  $C_1-C_{10}$  alkyl, naphthyl  $C_1-C_{10}$  alkyl, 5- or 6-membered heterocyclic group optionally condensed with a benzene ring, or methyl substituted by a 5- or 6-membered heterocyclic group optionally condensed with a benzene ring;

15 the alkyl, the alkenyl, the alkynyl, the cycloalkyl, the cycloalkylalkyl, the cycloalkenyl and the cycloalkenylalkyl, represented by  $A^1$  and  $A^2$ , may optionally be each substituted by one or more substituents selected from the group consisting of halogen atom(s), cyano, nitro,  $C_1-C_{10}$  alkoxy,  $C_1-C_{10}$  haloalkoxy,  $C_1-C_{10}$  alkylthio,  $C_1-C_{10}$  haloalkylthio, ( $C_1-C_9$  alkyl) carbonyl, ( $C_1-C_9$  alkoxy) carbonyl, ( $C_1-C_9$  alkyl) carbonylamino, phenyl, phenoxy, benzyloxy and tri( $C_1-C_{10}$  alkyl) silyl;

20 the phenyl, the naphthyl, the benzene ring in the phenylalkyl, the naphthalene ring in the phenylnaphthyl, the heterocyclic group, and the heterocyclic ring in the methyl substituted by a heterocyclic group, represented

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by A<sup>1</sup> and A<sup>2</sup>, may optionally be each substituted by one or more substituents selected from the group consisting of halogen atom(s), cyano, nitro, C<sub>1</sub>-C<sub>10</sub> alkyl, C<sub>1</sub>-C<sub>10</sub> haloalkyl, C<sub>3</sub>-C<sub>10</sub> cycloalkyl, C<sub>1</sub>-C<sub>10</sub> alkoxy, C<sub>1</sub>-C<sub>10</sub> haloalkoxy, C<sub>1</sub>-C<sub>10</sub> alkylthio, C<sub>1</sub>-C<sub>10</sub> haloalkylthio, (C<sub>1</sub>-C<sub>9</sub> alkyl) carbonyl, (C<sub>1</sub>-C<sub>9</sub> alkoxy) carbonyl, (C<sub>1</sub>-C<sub>9</sub> alkyl) carbonylamino, phenyl, phenoxy, benzyloxy, tri(C<sub>1</sub>-C<sub>10</sub> alkyl) silyl, methylenedioxy and difluoromethylenedioxy; with the proviso, when L<sup>1</sup> is single bond, A<sup>1</sup> is not a hydrogen atom;

T represents optionally substituted *m*-phenylene, optionally substituted *m*-azaphenylene or optionally substituted *m*-diazaphenylene bonded to R<sup>1</sup> and to CH<sub>2</sub> each via a carbon atom; wherein the substituent(s) are one or more substituents selected from the group consisting of halogen atom(s), cyano, nitro, C<sub>1</sub>-C<sub>6</sub> alkyl, C<sub>1</sub>-C<sub>6</sub> haloalkyl, C<sub>1</sub>-C<sub>6</sub> alkoxy, C<sub>1</sub>-C<sub>6</sub> haloalkoxy, C<sub>1</sub>-C<sub>6</sub> alkylthio, C<sub>1</sub>-C<sub>6</sub> haloalkylthio and (C<sub>1</sub>-C<sub>5</sub> alkoxy) carbonyl.

16. The semicarbazide compound according to claim 15, wherein T is optionally substituted *m*-phenylene; wherein the substituent(s) are one or more substituents selected from the group of halogen atom(s), cyano, nitro, C<sub>1</sub>-C<sub>6</sub> alkyl, C<sub>1</sub>-C<sub>6</sub> haloalkyl, C<sub>1</sub>-C<sub>6</sub> alkoxy, C<sub>1</sub>-C<sub>6</sub> haloalkoxy, C<sub>1</sub>-C<sub>6</sub> alkylthio, C<sub>1</sub>-C<sub>6</sub> haloalkylthio and (C<sub>1</sub>-C<sub>5</sub> alkoxy) carbonyl.

17. The semicarbazide compound according to claim 15, wherein T is optionally substituted *m*-azaphenylene or optionally substituted *m*-diazaphenylene bonded to R<sup>1</sup> and to CH<sub>2</sub> each via

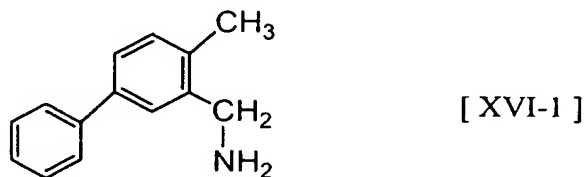
a carbon atom;

wherein the substituent(s) are one or more substituents selected from the group of halogen atom(s), cyano, nitro, C<sub>1</sub>-C<sub>6</sub> alkyl, C<sub>1</sub>-C<sub>6</sub> haloalkyl, C<sub>1</sub>-C<sub>6</sub> alkoxy, C<sub>1</sub>-C<sub>6</sub> haloalkoxy, C<sub>1</sub>-C<sub>6</sub> alkylthio, C<sub>1</sub>-C<sub>6</sub> haloalkylthio and (C<sub>1</sub>-C<sub>5</sub>-alkoxy) carbonyl.

18. The semicarbazide compound according to claim 15, wherein T is optionally substituted *m*-phenylene;  
wherein the substituent(s) are halogen atom(s) or methyl.

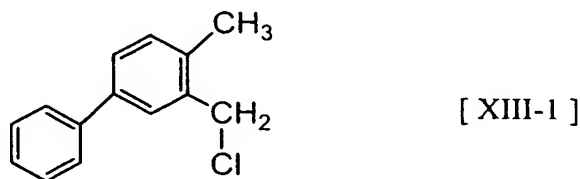
19. 2-Methyl-4-(2-methyl-5-phenylbenzyl) semicarbazide; which is the semicarbazide compound according to claim 15.

20. 2-Methyl-5-phenylbenzylamine of the formula [XVI-1]:

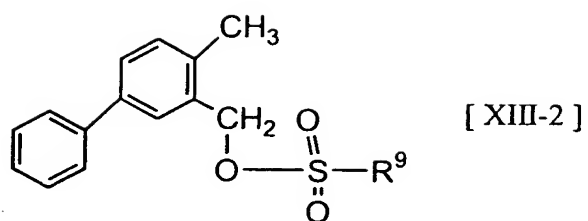


, its inorganic acid salt or its sulfonic acid salt.

21. 2-Methyl-5-phenylbenzyl chloride of the formula [XIII-1]:

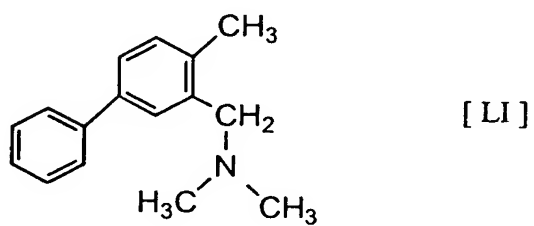


22. A sulfonate ester compound of the formula [XIII-2]:



wherein  $R^9$  represents methyl or p-tolyl.

23. N,N-Dimethyl-(2-methyl-5-phenylbenzyl)amine of the  
5 formula [LI]:



, its inorganic acid salt or its sulfonic acid salt.